



Downtown Street Lights

September 26th, 2013





History of Upgrades

2009

- Mayor was concerned about Taxi Queue line
 - Walnut between 3rd and Main
- Public works installed a couple early LED fixtures
 - 6000K color temperature
 - stark white light



History of Upgrades

2010

- Federal funding for energy efficiency projects
- ~\$350,000 for LED street lights
 - Primarily downtown starting with Main Street



Main St. Streetlights

- Stakeholders
 - Police -More/brighter/better light
 - Downtown BID - Flattering, attractive light
 - Public Works
 - Budget constraints
 - Existing infrastructure constraints
 - Tree vs. street light conflict – Nov. trim
 - Energy Manager
 - Use less energy with better light



Main St. Street lights

- Installed brightest available LED Acorn Globe Street lights –
 - 4,650 lumens @3,500K CCT
- Dimming capability to satisfy stakeholders
- Improved Light Quality
- Cutting edge project
- Positive comments at the time





Main St. controls

- 100% brightness
 - Thursday-Saturday midnight to 3am
- 70% brightness
 - Sunset to Midnight or Sunset to 3am during work week
- 40% brightness
 - 3 am to dawn



Advancing technology

- New fixtures provide double the light output
- With dimming capabilities
- ~ \$40,000 for 2nd block of Main
 - ~ \$1,600 per fixture
- Existing fixtures can be re-installed nearby

Double light level – cobra head



Double light level – cobra head





Brightest Acorns





Street light upgrades

2010-2011

- Blufftop parking lots
- Manning Park & Murdy Park
- 3rd Street from Walnut to Orange
- 5th Street from Walnut to Orange
- City Beach lots – Beach Blvd to Lifeguard HQ
- Olive between Main and 3rd



Street light upgrades

2012

- SCE rate case – saving taxpayer money
- SCE buy-back re-structuring street lights
 - Self-funded all at once upgrade to LED



Other street lights

2013

- 7th St. Circuit & LED upgrades
- Pier Plaza
- Great Lawn
- Duke's Turnaround
- CalTrans – PCH intersections
 - Main/PCH
 - Dolphin/PCH



Other street lights

- 2014 Planned Upgrades
 - Balance of the City including downtown after purchasing street lights from SCE
 - As many antiquated Series circuits as the deal can afford

Street light



- Questions?